



Product: [5302U2](#)

Security & Sound, #18-4c BC, CL3, FPL, PLTC, Water-Blocked Direct Burial

Product Description
Security & Sound Cable, Rated-CL3, 4-18 AWG PVC-Nylon insulation, Waterblocking tape, PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Wet Location, Direct Burial |
|------------------------|--|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 4 | 18 AWG | 7x26 | BC - Bare Copper |

Insulation

| Material | Nom. Thickness | Color Code |
|--|-------------------|-------------------------|
| PVC/Nylon - Polyvinyl Chloride + Nylon | .020 in (0.51 mm) | Black, Red, Blue, Brown |

Outer Shield

| Material | Notes |
|------------|-------------------------|
| Unshielded | 100% Waterblocking Tape |

| | |
|----------------|-----------------|
| Waterblocking: | Waterblock Tape |
|----------------|-----------------|

Outer Jacket

| Separator | Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------|--------------------------|------------------|-------------------|---------|
| Waterblocking Tape | PVC - Polyvinyl Chloride | .040 in (1.0 mm) | .327 in (8.31 mm) | Yes |

| | |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | .327 in (8.31 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond |
|----------------------------|-------------------------------|
| 6.2 Ohm/1000ft (20 Ohm/km) | 25 pF/ft (82 pF/m) |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 90°C | -20°C To +90°C |

Bend Radius

| Stationary Min. |
|-------------------|
| 2.95 in (74.9 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 98 lbs (44 kg) |
| Bulk Cable Weight: | 56 lbs (25 kg) |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Outdoor - Direct Burial, Indoor, Outdoor, Sunlight Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685, FT4 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, Article 760, CL3, FPL, PLTC |
| CEC / C(UL) Compliance: | CL3 |
| TIA/EIA Compliance: | TIA455-82 Water Penetration Test |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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| Update and Revision: | Revision Number: 0.4 Revision Date: 07-10-2025 |
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